

PATENT
450100-02860IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (currently amended) A portable recording and/or reproduction apparatus for recording and/or reproducing data onto and/or from a storage medium, comprising:

recording and/or reproduction means for recording and/or reproducing data onto and/or from the storage medium;

communication means for communicating with an external apparatus;

producing storage means for storing producing information for an operation screen
information including an area for displaying data stored in said storage medium and
corresponding to said recording and/or reproduction means;

transmission control means for controlling said communication means to transmit the
information for the operation screen ~~information to the external apparatus; and~~

~~control means operable when said communication means receives operation information to~~
~~the operation screen information displayed on the external apparatus for controlling said~~
recording and/or reproduction means in accordance with the operation ~~information screen~~
displayed on the external apparatus when said communication means receives the information
for the operation screen.

2. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 1, wherein said communication means is capable of communicating with the external

PATENT
450100-02860

apparatus through a network using a predetermined communication protocol.

3. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 2, wherein said communication means is capable of communicating with the external apparatus through the network using the an internal protocol.

4. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 3, wherein said communication means is capable of communicating with a personal computer through the network using the an internet protocol.

5. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 1, wherein said storage producing means stores graphical user interface information to be used to remotely control said recording and/or reproduction means from the external apparatus.

6. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 5, wherein said storage producing means stores the graphical user interface information at ~~least of~~ one or more of a reproduction instruction button, a recording instruction button and a reproduction stop button.

7. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 5, wherein said storage producing means stores the graphical user interface information which is described in ~~the html~~ hyper text markup language (HTML) format.

PATENT
450100-02860

8. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 1, further comprising:

image pickup means for photoelectrically converting an optical image of an image pickup object into image data, and

wherein said recording and/or reproduction means stores the image data into the storage medium.

9. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 8, further comprising:

microphone means for converting sound collected from ~~the~~ an outside source into sound data, and

wherein said recording and/or reproduction means stores the sound data into the storage medium.

10. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 9, wherein said recording and/or reproduction means compresses the image data and the sound data and stores the compressed image data and compressed sound data into in the storage medium.

11. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 10, wherein said recording and/or reproduction means compresses the image data in accordance with ~~the~~ MPEG system and compresses the sound data in accordance with ~~the~~ ATRAC system.

PATENT
450100-02860

12. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 8, further comprising display means for displaying image data reproduced from the storage medium by said recording and/or reproduction means.

13. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 1, wherein said recording and/or reproduction means records and/or reproduces data onto and/or from an optical disk on which first tracks formed from a wobbled track which is wobbled on the opposite side faces thereof and a non-wobbled track which is not wobbled on the opposite side faces thereof are formed from ones of lands and grooves and information is recorded on second tracks formed from the others of the lands and the grooves positioned between the wobbled track and the non-wobbled track.

14. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 1, further comprising update control means for controlling said recording and/or reproduction means to record, when said communication means receives an update program, the update program ~~once into~~ in the storage medium.

15. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 14, wherein said ~~storage-producing~~ means stores control programs corresponding to said transmission control means and said update control means, and said update control means rewrites the control programs of said ~~storage-producing~~ means with the update program stored in the storage medium in response to an update instruction of a user of said recording and/or

PATENT
450100-02860

reproduction apparatus after the recording of the update program ~~into~~in the storage medium is completed.

16. (currently amended) A portable recording and/or reproduction apparatus for recording and/or reproducing data onto and/or from a storage medium, comprising:

recording and/or reproduction means for recording and/or reproducing data onto and/or from the storage medium;

communication means for communicating with an external apparatus;

discrimination means operable for discriminating a type of the external apparatus based on the transmission request information when transmission request information for requesting for transmission of data is received from the external apparatus through said communication means ~~for discriminating a type of the external apparatus based on the transmission request information~~; and

transmission control means for adaptively changing the format of data read out from the storage medium by said recording and/or reproduction means in response to a result of the discrimination by said discrimination means and controlling said communication means to transmit the data to the external apparatus.

17. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 16, wherein said discrimination means extracts an identifier representative of a type of the external apparatus from the transmission request information and discriminates the type of the external apparatus based on the extracted identifier.

PATENT
450100-02860

18. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 17, wherein, when said discrimination means discriminates that the external apparatus is a computer for universal use, said transmission control means converts ~~the~~ the format of data read out from the storage medium into ~~the html~~ hyper text markup language (HTML) format and controls said communication means to transmit the data of the ~~html~~ HTML format to the external apparatus.

19. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 17, wherein, when said discrimination means discriminates that the external apparatus is another recording and/or reproduction apparatus of the same type as that of said recording and/or reproduction apparatus, said transmission control means controls said communication means to transmit image data read out from the storage medium to the external apparatus.

20. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 16, further comprising image pickup means for photoelectrically converting an optical image of an image pickup object into image data, and wherein said recording and/or reproduction means stores the image data ~~into~~ in the storage medium.

21. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 20, further comprising microphone means for converting sound collected from ~~the an~~ an outside source into sound data, and wherein said recording and/or reproduction means stores the sound data ~~into~~ in the storage medium.

PATENT
450100-02860

22. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 21, wherein said recording and/or reproduction means compresses the image data and the sound data and stores the compressed image data and compressed sound data ~~inte~~in the storage medium.

23. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 22, wherein said recording and/or reproduction means compresses the image data in accordance with the MPEG system and compresses the sound data in accordance with the ATRAC system.

24. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 20, further comprising display means for displaying image data reproduced from the storage medium by said recording and/or reproduction means.

25. (currently amended) The [[A]] recording and/or reproduction apparatus according to claim 16, wherein said recording and/or reproduction means records and/or reproduces data ~~ento~~in and/or from an optical disk on which first tracks formed from a wobbled track which is wobbled on the opposite side faces thereof and a non-wobbled track which is not wobbled on the opposite side faces thereof are formed from ones of lands and grooves and information is recorded on second tracks formed from the others of the lands and the grooves positioned between the wobbled track and the non-wobbled track.

26. (currently amended) A recording and/or reproduction method for recording and/or

PATENT
450100-02860

reproducing data onto and/or from a storage medium in a portable apparatus, comprising the steps of:

producing information for an operation screen including an area for displaying data stored in said storage medium and corresponding to a recording and/or reproduction means;

transmitting the information operation screen information stored in storage means produced by the producing step to an external apparatus through communication means;

receiving, by said communication means, operation information of a user to the operation ~~screen~~ information for the operation screen transmitted to the external apparatus; and

performing recording and/or reproduction of the data into and/or from the storage medium in accordance with the received operation information.

27. (currently amended) A recording and/or reproduction method for recording and/or reproducing data onto and/or from a storage medium, comprising the steps of:

receiving transmission request information for requesting ~~for~~ transmission of data from an external apparatus through a communication means;

discriminating a type of the external apparatus based on the received transmission request information;

adaptively changing ~~thea~~ the format of data read out from the storage medium in response to a result of the ~~discrimination~~ discriminating step; and

transmitting the data of the adaptively changed format to the external apparatus through said communication means.